

10/518921

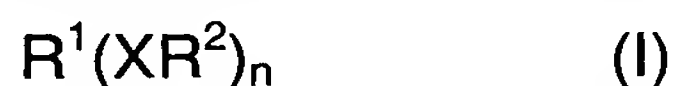
DT01 Rec'd PCT/PTC 23 DEC 2004

**Amendments to the Claims:**

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Original) A detergent free dry cleaning medium based on liquid CO<sub>2</sub> and including from 0.01 to 5% by weight of the cleaning medium of a cleaning additive which is at least one multi-ester having a molecular weight of not more than 750.

2. (Original) A dry cleaning formulation as claimed in claim 1 wherein the multi-ester includes at least one compound of the formula (1) :



where

X is -C(O)O- or -OC(O)-; such that

where X is -C(O)O-,

R<sup>1</sup> is a direct bond or the residue of a C<sub>1</sub> to C<sub>10</sub> hydrocarbyl group from which n hydrogen atoms have been removed; and

R<sup>2</sup> is a C<sub>1</sub> to C<sub>10</sub> hydrocarbyl group; and

where X is -OC(O)-,

R<sup>1</sup> is or the residue of C<sub>2</sub> to C<sub>10</sub> hydrocarbyl group from which n hydrogen atoms have been removed; and

R<sup>2</sup> is H or a C<sub>1</sub> to C<sub>10</sub> hydrocarbyl group; and

n is from 2 to 5;

the compound having a molecular weight of not more than 750.

3. (Currently amended) A dry cleaning formulation as claimed in claim 2 wherein the multi-ester is of the formula (Ia):



where

X is -C(O)O-;

R<sup>1a</sup> is a direct bond or the residue of a C<sub>1</sub> to C<sub>10</sub> hydrocarbyl group from which n hydrogen atoms have been removed; and

R<sup>2a</sup> is a C<sub>1</sub> to C<sub>10</sub> hydrocarbyl ~~group~~; and group.

4. (Original) A dry cleaning formulation as claimed in claim 3 wherein the multi-ester is a dimethyl ester of adipic, glutaric or succinic acids or a mixture of such esters.

5. (Currently amended) A dry cleaning formulation as claimed in ~~any one of claims 1 to 4~~ claim 1 wherein the average molecular weight of the multi-ester(s) is from 150 to 300.

6. (Currently amended) A dry cleaning formulation as claimed in ~~any one of claims 1 to 5~~ claim 1 wherein the average ratio of oxygen atoms to carbon atoms in the multi-ester (s) is from 1: 1 to 1: 5.

7. (Original) A dry cleaning formulation as claimed in claim 6 wherein the average ratio of oxygen atoms to carbon atoms in the multi-ester(s) is from 1: 1 to 1: 1.5.

8. (Currently amended) A dry cleaning formulation as claimed in ~~any one of claims 1 to 7~~ claim 1 wherein the amount of cleaning additive multi-ester present in the cleaning medium is from 0.1 to 0.5% by weight of the cleaning medium.

9. (Currently amended) A dry cleaning formulation as claimed in ~~any one of claims 1 to 8~~ claim 1 which additionally includes at least one fragrance, optical brightener, fabric conditioner, enzyme and/or bleach.

10. (Original) A method of dry cleaning which includes contacting textile material with a detergent free dry cleaning medium based on liquid CO<sub>2</sub> and including from

0.01 to 5% by weight of the cleaning medium of a cleaning additive which is at least one multi-ester having a molecular weight of not more than 750.

11. (Original) A method as claimed in claim 10 wherein the multi-ester includes at least one compound of the formula (I):  $R^1(XR^2)_n$  where X,  $R^1$ ,  $R^2$  and n are as defined in claim 2, the compound having a molecular weight of not more than 750.

12. (Currently amended) A method as claimed in claim 11 wherein the multi-ester is of the formula (Ia):



where

X is -C(O)O-;

$R^{1a}$  is a direct bond or a  $C_1$  to  $C_{10}$  hydrocarbyl group from which n hydrogen atoms have been removed; and

$R^{2a}$  is a  $C_1$  to  $C_{10}$  hydrocarbyl ~~group; and~~ group.

13. (Currently amended) A method as claimed in ~~any~~ claim 12 wherein the multi-ester is a dimethyl ester of adipic, glutaric or succinic acids or a mixture of such esters.

14. (Currently amended) A method as claimed in ~~any one of claims 10 to 13~~ claim 10 wherein the average molecular weight of the multi-ester(s) is from 150 to 300.

15. (Currently amended) A method as claimed in ~~any one of claims 10 to 14~~ claim 10 wherein the average ratio of oxygen atoms to carbon atoms in the multi-ester (s) is from 1: 1 to 1: 1.5.

16. (Currently amended) A method as claimed in ~~any one of claims 10 to 15~~ claim 10 wherein the amount of cleaning additive multi-ester present in the cleaning medium is from 0.1 to 0.5% by weight of the cleaning medium.

17. (Currently amended) A method as claimed in ~~any one of claims 10 to 16~~ claim 10 which additionally includes at least one fragrance, optical brightener, fabric conditioner, enzyme and/or bleach.

18. (Currently amended) A method as claimed in ~~any one of claims 10 to 17~~ claim 10 wherein the multi-ester is pre-mixed with liquid CO<sub>2</sub> before contacting the textiles.

19. (Currently amended) A method as claimed in ~~any one of claims 10 to 18~~ claim 10 wherein the cleaning process is carried out at a temperature of from -5 to 25°C.

20. (Currently amended) A method as claimed in claim 19 wherein the temperature is ~~from~~ from 5 to 20°C.

21. (Currently amended) A method as claimed in claim 20 wherein the temperature is ~~from~~ from 12 to 15°C.